



Form PTO-1449 (modified)

Atty. Docket No.
56.0692Serial No.
10/824,079

List of Patents and Publications for Applicant's

Applicant
Willberg et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
April 14, 2004Group:
3672

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1						
	A2						
	A3						
	A4						
	A5						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						
	B4						
	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	<i>Creating an Explosion: The theory and practice of detonation and solid chemical explosives</i> – J.A. Burgess and G. Hooper, <i>Physics in Technology</i> , November 1977, pp 257 – 265
	C2	<i>dBX™ Seismic Energy Source Technical Information Reference MSDS # 1316</i> – Dyno Nobel Inc.
	C3	<i>VIBROGEL™ Seismic Energy Source Technical Information Reference MSDS # 1019</i> – Dyno Nobel Inc.
	C4	<i>Towards the Miniaturization of Explosive Technology</i> - Proceedings of the 23 rd International Conference on Shock Waves, 2001 – D. Scott Stewart.
	C5	<i>Underwater Explosions as Acoustic Sources</i> – D.E. Weston, <i>Proc. Phys. Soc.</i> , Vol.76, No. 2, pp 233 – 249.
	C6	<i>Experimental Studies on Downhole Seismic Sources</i> – S.T. Chen, E.A. Eriksen and M. A. Miller, <i>Geophysics</i> , Vol. 55, No.12, pp 1645 – 1651, December, 1990












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<input checked="" type="checkbox"/>	C7	<i>Subsurface Imaging Using Reversed Vertical Seismic Profiling and Crosshole Tomographic Methods.</i> – S.T. Chen, L.J. Zimmerman and J.K. Tugnait, Geophysics, Vol. 55, No. 11, pp 1478 – 1487, November, 1990.
<input type="checkbox"/>	C8	<i>Experimental Studies of Downhole Seismic Sources</i> – S.T. Chen and E.A. Eriksen, Geophysics, presented at the 59 th Ann. Internat. Mtg., Soc. Expl., Geophys., Expanded Abs.
<input type="checkbox"/>	C9	SPE 68854 - <i>Field Test of a Novel Low Viscosity Fracturing Fluid in the Lost Hills Field, California</i> – S. Vasudevan, D.M. Willberg, J.A. Wise, T.L. Gorham, R.C. Dacar, P.F. Sullivan, C.L. Boney and F. Mueller
<input type="checkbox"/>	C10	<i>Background for Hydraulic Fracturing Pressure Analysis Techniques</i> – S.N. Gulragani and K.G. Nolte, Appendix to Chapter 9: Reservoir Stimulation, 3 rd Edition, M.J. Economides and K.G. Nolte - p A9-1 to A9-16.
<input type="checkbox"/>	C11	SPE 15214 – <i>Monitoring Hydraulic Fracture Stimulations with Long-Period Seismometers to Extract Induced Fracture Geometry</i> – F.J. Mauk and K.D. Mahrer
<input type="checkbox"/>	C12	SPE18538 – <i>Uplifts and Tilts at Earth's Surface Induced by Pressure Transients from Hydraulic Fractures.</i> – Ian D. Palmer
<input type="checkbox"/>	C13	SPE 21834 – <i>Microseismic Logging: A New Hydraulic Fracture Diagnostic Method.</i> – K.D. Mahrer.
<input type="checkbox"/>	C14	SPE 27506 – <i>Data Gathering for a Comprehensive Hydraulic Fracturing Diagnostic Project: A case Study.</i> – L.S. Truby, R.G. Keck and R.J. Withers.
<input type="checkbox"/>	C15	SPE 30507 – <i>Microseismic Mapping of Hydraulic Fractures Using Multi-Level Wireline Receivers.</i> – N.R. Warpinski, B.P. Engler, C.J. Young, R. Peterson, P.T. Branagan and J.E. Fix
<input type="checkbox"/>	C16	SPE 30738 – <i>Hot Dry Rock: A Versatile Alternative Energy Technology</i> – D.V. Duchane
<input type="checkbox"/>	C17	SPE 36450 – <i>Microseismic Monitoring of the B-Sand Hydraulic Fracture Experiment at the DOE/GRI Multi-Site Project.</i> – N.R. Warpinski, T.B. Wright, J.E. Uhl, P.M. Drozda, R.E. Peterson and P.T. Branagan
<input type="checkbox"/>	C18	SPE 38573 – <i>Microseismic and Deformation Imaging of Hydraulic Fracture Growth and Geometry in the C Sand Interval, GRI/DOE M-Site Project.</i> – N.R. Warpinski, P.T. Branagan, R.E. Peterson, J.E. Fix, J.E. Uhl, B.P. Engler and R. Wilmer.
<input type="checkbox"/>	C19	SPE 38574 – <i>Propagation of a Hydraulic Fracture into a Remote Observation Wellbore: Results of C-Sand Experimentation at the GRI/DOE M-Site Project.</i> – P.T. Branagan, R.E. Peterson, N.R. Warpinski, S.L. Wolhart and R.E. Hill
<input checked="" type="checkbox"/>	C20	SPE 38576 – <i>A Systematic Study of Fracture Modeling and Mechanics Based on Data from GRI/DOE M-Site Project</i> – T.B. Wright and T.W. Green

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	C21	SPE 38577 – Cotton Valley Hydraulic Fracture Imaging Project. – Ray N. Walker, Jr.
	C22	SPE 40014 – Mapping Hydraulic Fracture Growth and Geometry Using Microseismic Events Detected by a Wireline Retrievable Accelerometer Array. – N.R. Warpinski, P.T. Branagan, R.E. Peterson, S.L. Wolhart and J.E. Uhl.
	C23	SPE 47315 – Monitoring and Management of Fractured Reservoirs Using Induced Microearthquake Activity. – A. Jupe, R. Jones, B.Dyer and S. Wilson
	C24	SPE49194 – Carthage Cotton Valley Fracture Imaging Project – Imaging Methodology and Implications. – R.N. Walker Jr., R.J. Zinno, J.B. Gibson, Ted Urbancic and Jim Rutledge
	C25	SPE 57593 – Microseismic Monitoring of the B-Sand Hydraulic-Fracture Experiment at the DOE/GRI Multisite Project. – N.R. Warpinski, T.B. Wright, J.E. Uhl, B.P. Engler, P.M. Drozda, R.E. Peterson and P.T. Branagan
	C26	SPE 63034 – East Texas Hydraulic Fracture Imaging Project: Measuring Hydraulic Fracture Growth of Conventional Sandfracs and Waterfracs. – Michael J. Mayerhofer, Ray N. Walker Jr., Ted Urbancic and James T. Rutledge
	C27	SPE 64434 – State-of-the-Art in Hydraulic Fracture Diagnostics. C.L. Cippola and C.A. Wright.
	C28	SPE 71649 – Analysis and Prediction of Microseismicity Induced by Hydraulic Fracturing. N.R. Warpinski, S.L. Wolhart and C.A. Wright
	C29	SPE 77442 – A Practical Guide to Hydraulic Fracture Diagnostic Technologies. – R. D. Barree, M.K. Fisher and R. A. Woodroof
	C30	SPE 77441 – Integrating Fracture Mapping Technologies to Optimize Stimulations in the Barnett Shale. – M.K. Fisher, C.A. Wright, B.M. Davidson, A.K. Goodwin, E.O. Fielder, W.S. Buckler and N.P. Steinsberger
	C31	SPE 77440 – Microseismic Imaging of Hydraulic Fracture Complexity in the Barnett Shale. S.C. Maxwell, T.I. Urbancic, N. Steinsberger and R. Zinno.